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DEPARTMENT OF NATURAL RESOURCES

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July 26, 2010

Scott Hughes
Lakeview Rock Products, Inc.
P.O. Box 540700
North Salt Lake, Utah 84054-0700

Subject: Ninth Review of Notice of Intention to Commence Large Mining Operations, Lakeview Rock Products, Inc., Beck Street Quarry, M/035/0020, Salt Lake County, Utah

Dear Mr. Hughes:

The Division has completed a review of your Stability Analysis for the Notice of Intention to Commence Large Mining Operations for the Beck Street Quarry Mine, which was received March 25, 2010. The attached comments will need to be addressed before approval may be granted.

Please reply to the deficiencies by submitting replacement pages to the plan, and the text should be in redline/strikeout format so the changes can be readily discerned.

Please submit your response to this review no later than September 30, 2010.

If you have any questions in this regard please contact me at 801-538-5261 or Leslie Heppler, at 801-538-5257. Thank you for your cooperation in completing this permitting action.

Sincerely,

Paul B. Baker
Minerals Program Manager

PBB:lah:vs
Attachment: Review
Cc: Wayne.Mills@slcgov.com
P:\GROUPS\MINERALS\WP\M035-SaltLake\M0350020-Lakeview\final\REV9-3454-07192010.doc



**NINTH REVIEW OF NOTICE OF INTENTION
 TO COMMENCE LARGE MINING OPERATIONS
 Lakeview Rock Products Inc.
 Beck Street Quarry
 M/035/0020
 July 26, 2010**

General Comments:

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
1	General	Submittal should be formatted to easily incorporate additional revisions and amendments.	lah	
2	General	This review only addresses the slope stability report submitted March 25, 2010. Additional comments from the Division can be generated in the future based on submittals received in the future. The slope stability report is part of the NOI, as required by the request for variance; hence the slope stability reports need to reflect the commitments in the NOI by the operator and the operator's consultant	lah	
3	General	In sections of the NOI that involve slope stability (106.2, 109.4 and 111), please commit in the text that slope stability will be regularly monitored on an ongoing basis (site schedule) and that a minimum Factor of Safety (site FOS the operator will commit to) will be maintained. Include dynamic FOS. Commit that additional geotechnical evaluations will be done if the hydrology, geology or the structural regimes change as new working faces are excavated or as warranted.	lah	
4	Page 1, para 3 & Plate A-2	Quaternary sediments are not to be overlooked, even if the site visit did not include that area. The slope stability report needs to address all areas of the permit that are either excavated or filled. The Quaternary sediments' slope angle is to reflect the geotechnical properties of the unit that will provide the operator an adequate FOS.	lah	

R647-4-109 - Impact Assessment

109.4 - Slope stability, erosion control, air quality, safety

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
5	Page 3 Ground H2O	Commit that additional geotechnical evaluations will be done if groundwater is encountered as new working faces are excavated or as warranted.	lah	
6	General Page 4 para 2	Report is incomplete. As written "...adequate Factors of Safety..." The report needs to note a minimum Factor of Safety that will be maintained. Commit that additional geotechnical evaluations will be done if either the geology or the structural regimes change as new working faces are excavated or as warranted. The report needs to define the maximum angle for the Quaternary sediments.	lah	
7	Page 4 Para 5	As noted above (comment 3) the Operator is to commit in the text that slope stability will be regularly monitored on an ongoing basis (site schedule and vibration limits) and that a minimum FOS will be maintained. Commit that additional geotechnical evaluations will be done if either the geology or the structural regimes change as new working faces are excavated or as warranted.	lah	

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 9th Review
 M/035/0010
 July 26, 2010

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
8	B-17	Stereonet plot needs to indicate the excavation orientation plot in relation to the fractures and bedding planes. Label the lithologic units.	lah	
9	B-3 thru B-16	Include the geotechnical model parameters of each lithologic unit as was done on plate B-1 and B-2 (this was comment 6 of the 8 th review).	lah	
10	Omission	Slope stability report needs to include a geologic map, site vicinity map, and the slope stability cross sections map.	lah	

R647-4-110 - Reclamation Plan

110.2 - Roads, highwalls, slopes, drainages, pits, etc., reclaimed

Comm ent #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
11	Page 4 para 3	As written "...the height of the limestone will decrease..." The mine will need to provide x-sections that will reflect the changing slope angle over time. It is unclear how the operator will comply with the geotechnical recommendations with top down construction techniques when the recommended cut angle of the bottom lithologic unit will decrease in height as excavation continues. Cross sections are to show the projected dip, the final pit slope excavation line, with bench configuration. (This was comment 9 of the 8 th review).	lah	

R647-4-112 - Variance (List all variances requested and make a finding if approving.)

Comment #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
12	General	The result of the stability report will impact the requested variance.	lah	

R647-4-113 – Surety

Comment #	Sheet/Page/ Map/Table #	Comments	Initials	Review Action
13	General	The results of the stability report will impact surety required.	lah	